DLT™ OEM/OML/OMX FIRMWARE PERSONALITIES

This application note is to be used only as a guideline for the titled subject. The user assumes all responsibility for understanding the interrelationships of this information with other affected software or system products. Quantum Corporation provides this information as a service only, and assumes no responsibility for any damages, which could result from the use of this information.

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NOTE: The information in this document pertains to DLT™2000, DLT™2000XT, DLT™4000 or DLT™7000 tape unit or DLT™2500, DLT™2500XT, DLT™2700, DLT™2700XT, DLT™4500 or DLT™4700 tape mini-library.

This application note is a brief description of the various personalities of the DLT OEM/OML firmware and their intended applications. The firmware personality and the sub-personality are returned in vendor unique inquiry bytes 41 and 42 on SCSI inquiry commands. The OEM firmware personality is represented by a value of 04h. The OML firmware personality is represented by a value of 0Fh and the OMX firmware personality is represented by a value of 12h.

In general for OEM choices, OEM-1 is the recommended personality for DLT tape drives. Refer to the description below for more information.

Personality Type	Sub-Personality	Description
OEM	1	This personality is an OEM-based ANSI SCSI-2 variation. It is the standard personality shipped with the drive. This code is used for DLT tape unit installations on most platforms.
OEM	2	This personality is an OEM-based ANSI SCSI-1 variation and is used only for those applications that require SCSI-1 features. Only available for DLT2000, DLT2000XT, and DLT4000.
OEM	3	This personality is an emulation of the IBM 7208, Model 2 and is used only for DLT tape unit installation on an AS/400. This personality is not available for DLT7000. Only available for DLT2000, DLT2000XT, and DLT4000.
OEM	8	This personality is the standard SCSI-2 implementation with one-way communication protocol over RS422 port. Only by the library OEM customers use this code. The SCSI implementation is identical to OEM-1.
OEM	9	This personality allows DLT emulation of SCSI-2, 8mm tape drive (EXB-8505) when attached to HP9000/800 systems. HP's fbackup and frecover are not supported with this code. Although provided for backward compatibility, OEM-1 is recommended over this code. Only available for DLT2000, DLT2000XT, and DLT4000.
OEM	10	This personality allows DLT emulation of HP 7980S when attached to HP9000/800 systems. Earlier code revisions emulate HP35450A. Although provided for backward compatibility, OEM-1 is recommended over this code. Only available for DLT2000, DLT2000XT, and DLT4000.

Personality Type	Sub-Personality	Description
OEM	11	This personality allows DLT emulation of SCSI-1, 8mm tape drive (EXB-8200). This code is designed for those platforms whose DLT device drivers are not available or the system kernel cannot be reconfigured to recognize DLT devices.
OML	1	This personality is the standard SCSI-2 implementation with two-way communication protocol over RS422 port. Only by the library OEM customers use this code. The SCSI implementation is identical to OEM-1.
OML	3	This personality is identical to OML-1 except that it has NoRdyUAonUnld set to TRUE.
OMX	1	This personality is identical to OML-1 except for the addition of a 3 second unload delay.
OMX	2	This personality provides support for DLTstorTM 114 Loaders.